

Amendments to the Claims:

The following listing of claims, in which deleted matter is either struck-through or enclosed in double brackets, and added material (except for newly presented claims) is underlined, replaces all prior versions and listings of claims in this application.

1. (Currently Amended) A method for making a signal transmission tube, the method comprising extruding over an elongate rod a confinement tube having an inner wall defining an interior of the confinement tube, the rod being comprised of disposing a solid reactive polymeric material and configured to provide a continuous, longitudinally extending unoccupied within a confinement tube and leaving a portion of the tube interior unoccupied of the confinement tube.

2. (Currently Amended) The method of claim 1 wherein the interior of the confinement tube is substantially free of unembedded pulverulent reactive material.

3. (Original) The method of claim 1 wherein the reactive polymeric material comprises a GAP material.

4. (Original) The method of claim 3 wherein the reactive polymeric material comprises a GAP resin that has been cross-linked with a multifunctional dipolarophile material.

5. (Currently Amended) ~~The method of claim 1, claim 3 or claim 4~~ A method for making a signal transmission tube, the method comprising forming the a confinement tube having an inner wall defining an interior of the confinement tube, and disposing a layer of paint on the interior surface inner wall of the confinement tube, wherein the paint comprises the a reactive polymeric material and is configured to provide a continuous, longitudinally extending unoccupied portion of the interior of the confinement tube.

6. Canceled.

7. (Currently Amended) A signal transmission tube comprising a reactive polymeric material configured as a solid elongate rod and disposed within a confinement tube having an inner wall defining an interior of the confinement tube, wherein the reactive polymeric material rod is configured to leave provide a continuous, longitudinally extending unoccupied portion of the interior of the confinement tube-unoccupied.

8. (Currently Amended) The signal transmission tube of claim 7 wherein the interior of the confinement tube is substantially free of unembedded pulverulent reactive material.

9. (Original) The signal transmission tube of claim 8 wherein the reactive polymeric material comprises a GAP material.

10. (Currently Amended) ~~The A~~ signal transmission tube ~~of claim 7 or claim 9~~ comprising a confinement tube having an inner wall defining an interior of the confinement tube, and a reactive polymeric material configured as a layer of paint on the interior surface inner wall of the confinement tube, the paint comprising the a reactive polymeric material which is configured to provide a continuous, longitudinally extending unoccupied portion of the interior of the confinement tube.

11. (Currently Amended) The signal transmission tube of claim ~~7 or claim 9~~ comprising 10 wherein the a reactive polymeric material in the form of a rod disposed within the confinement tube comprises a GAP material.

12. (Currently Amended) The signal transmission tube of claim 7, claim 8 or claim 9 ~~[[11]]~~ wherein the rod has a high surface area configuration is configured to have one or more radially extending portions thereof act as spacers between the rod and the inner wall of the confinement tube, whereby to define between the rod and the inner wall the continuous, longitudinally extending unoccupied portion.

13. (Currently Amended) The signal transmission tube of claim 7, claim 8 or claim 9, 12 wherein the rod ~~comprises~~ is configured to have a longitudinal bore extending therethrough, the longitudinal bore defining the continuous, longitudinally extending unoccupied portion.

14. (Currently Amended) A method for making a signal transmission tube, which tube consists of comprising extruding a reactive polymeric material, the method comprising extruding the reactive polymeric material into [[a]] tubular form.

15. (Currently Amended) ~~The method of claim 14 further comprising extruding a sheath over the tubular~~ A method of making a signal transmission tube, which tube consists of a reactive polymeric material having one or more pulverulent reactive materials blended therein.

16. Canceled.

17. Canceled.

18. Canceled.

19. (Currently Amended) A signal transmission tube ~~comprising~~ consisting of a reactive polymeric material in the form of a tube.

20. (Currently Amended) ~~The~~ A signal transmission tube ~~of claim 19 wherein the interior the tube is substantially free of~~ consisting of a reactive polymeric material having embedded therein one or more pulverulent reactive material materials.

21. Canceled.

22. Canceled.

23. Canceled.

24. (Original) The signal transmission tube of claim 19 wherein the reactive polymeric material comprises a GAP material.

25. (Original) The signal transmission tube of claim 24 comprising a GAP resin that has been cross-linked by a multifunctional dipolarophile material.

26. (New) A method for making a signal transmission tube, comprising extruding a reactive polymeric material into tubular form, extruding a sheath over the resulting tubular reactive polymeric tube, the sheath being configured to be fractured by reaction of the reactive polymeric material.

27. (New) A method for making a signal transmission tube, comprising extruding a reactive polymeric material into tubular form, extruding a sheath over the resulting tubular reactive polymeric tube, the sheath being configured to be consumed by reaction of the reactive polymeric material.

28. (New) The method of claim 26 or claim 27 wherein the reactive polymeric material comprises a GAP material.

29. (New) The method of claim 26 or claim 27 wherein the reactive polymeric material comprises a GAP resin that has been cross-linked by a multifunctional dipolarophile material.